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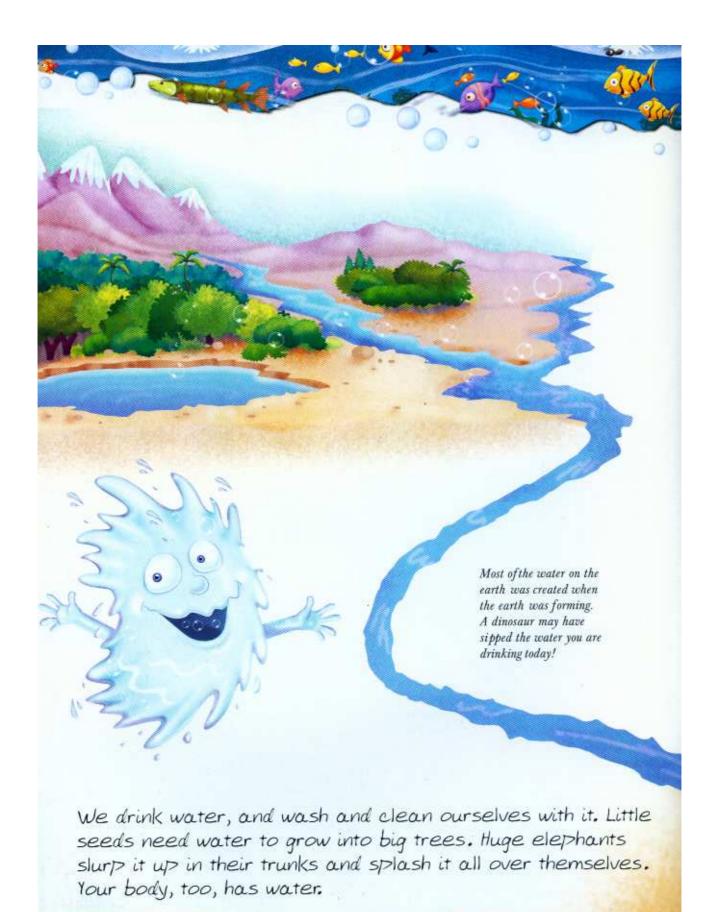
WATER

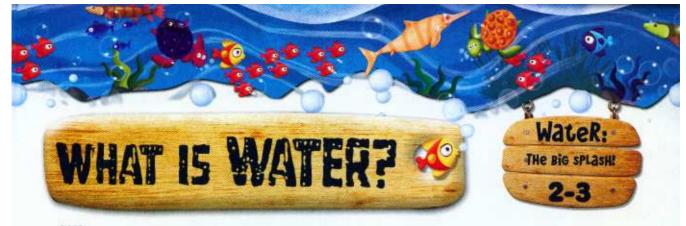


Big SPLASH!









Where does water come from?

There is water on the earth, inside it, and also all around it in the air.

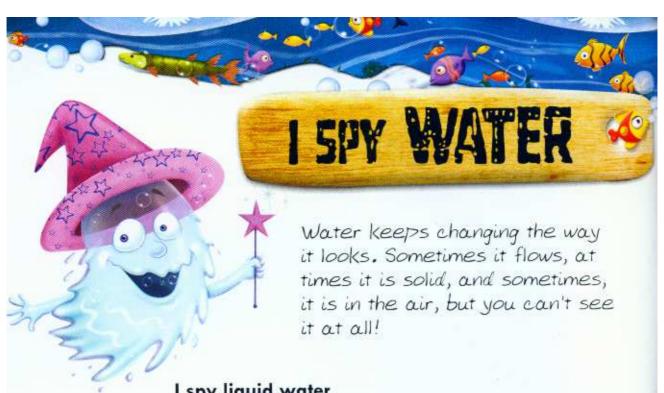
Fresh water

Most of the water on the earth is in the big oceans and seas. It is salty water, and we cannot drink it. We can only use the rest of the water. That's called fresh water.

Surface water

A lot of fresh water is under you too. Yes, below the ground! This is groundwater. We use this water by drawing it from wells or by pumping it out. Sometimes, it rushes out of the earth on its own, and there we have a lovely spring.

Molecules are tiny things that make up everything around you. Water is made up of a molecule called oxygen, holding hands with two molecules of hydrogen. So scientists call it H₂O! There are hundreds and thousands of water molecules in one single drop of water!



I spy liquid water

Fill a tall glass with a little water. Shake it a bit. Pour it into a big, broad bowl. It takes the shape of the bowl, doesn't it? Now pour it into a flat plate. It spreads out. Drop it into the sink. Does it break? No, it just flows down the drain! It is a liquid.

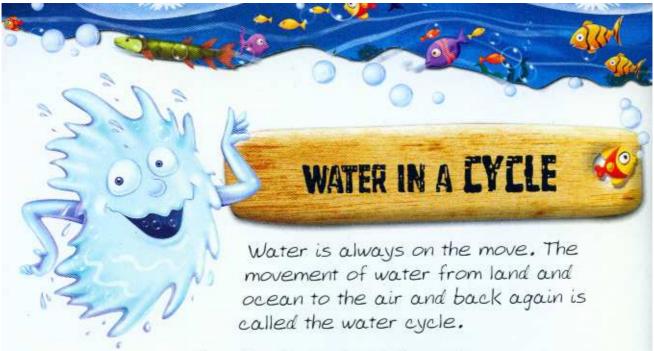
I spy solid water

Take ice from the freezer. That is also water-cold and hard. It is water in the solid form.

Pick up an ice cube. It has a definite shape. Leave it in a bowl for a while. All the ice melts to form liquid water.

Water does not have taste or smell, and it can dissolve many substances. That is how you get tasty lemonade just by adding a sprinkling of sugar and a squeeze of lime to it.





Round and round with the cycle

It seems a good idea to start from the ocean. It's just so full of water. The sun heats the water. It changes into vapour or steam. Up, up, and away it goes! This journey of water is called evaporation.

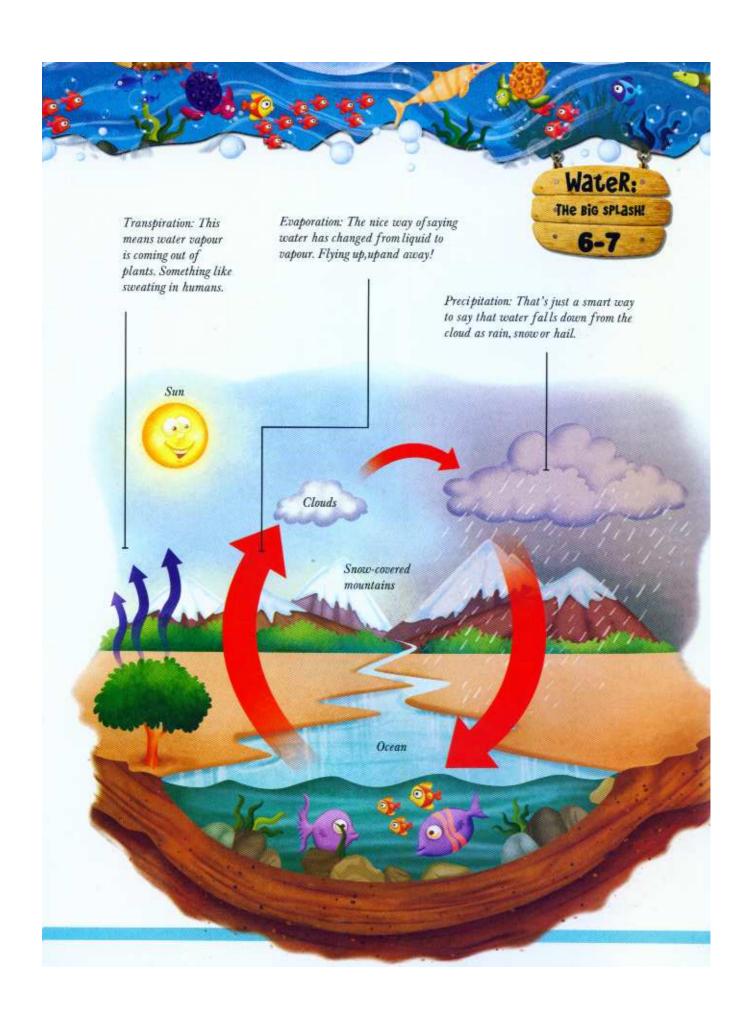
If it goes up, it must come down!

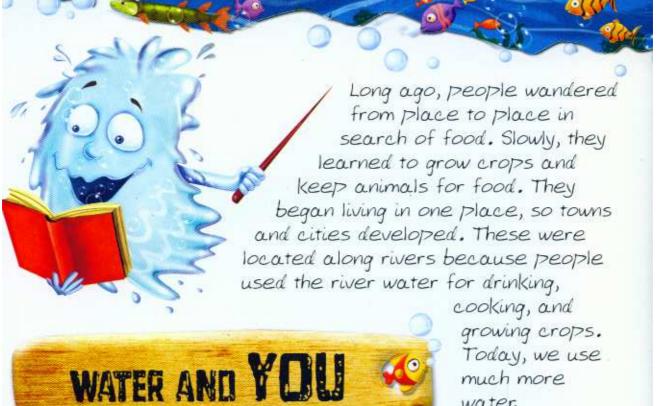
Up there in the sky it is much cooler, so the warm vapour cools into tiny droplets of water. This part of the journey is condensation. The droplets come together to form clouds.

Now, the wind takes the clouds wherever it goes. The clouds run into one another, join, and grow big. When the drops become big and heavy, they can't stay in the air anymore. They fall back to the earth as rain, snow or hail. This part of the journey is called precipitation.

And the journey starts all over again! Water also comes out of plants as vapour! This is called transpiration.

DID YOU KNOW



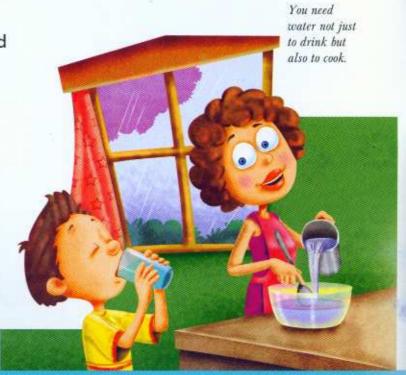


At home

We use water at home for drinking, washing, and cooking. We clean our homes and water plants.

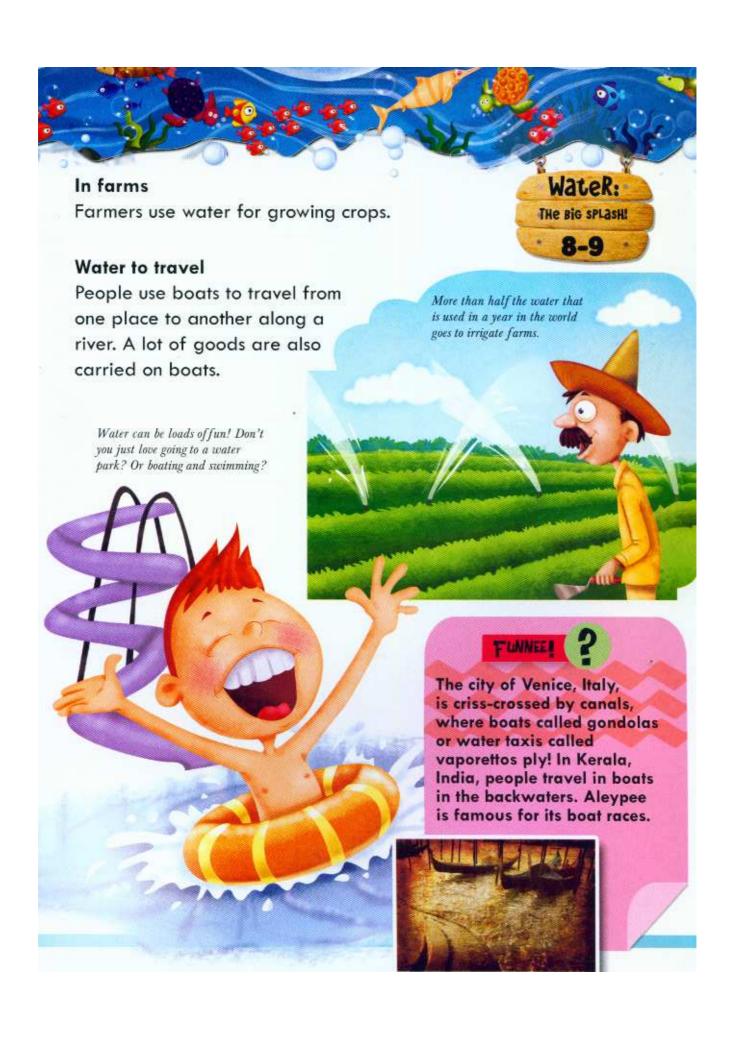
In factories

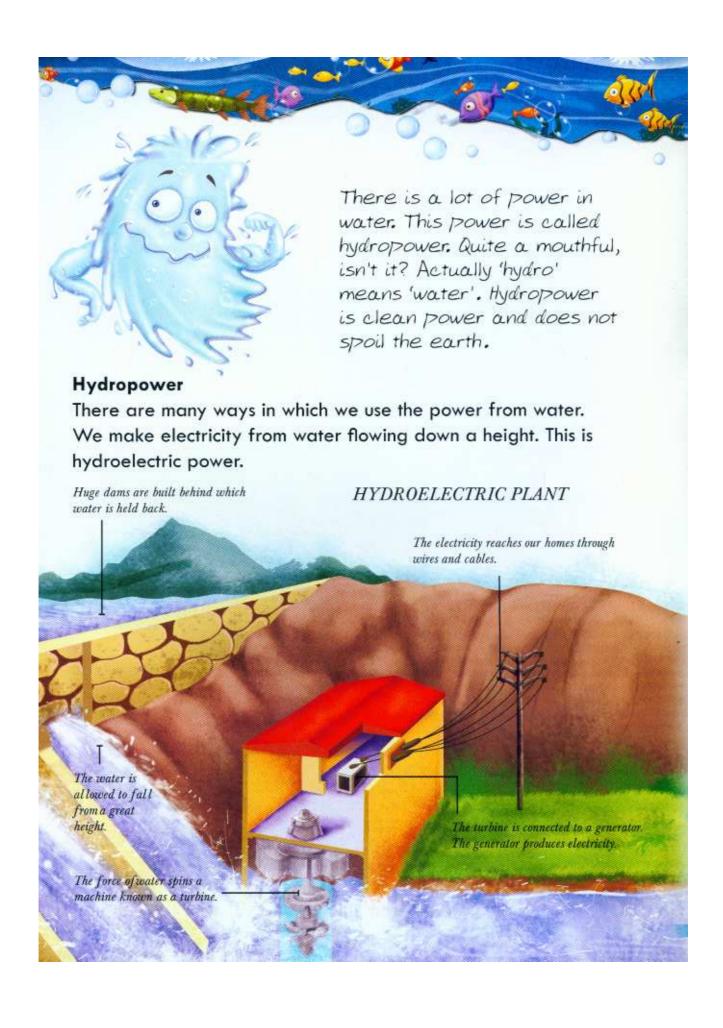
Factories use a lot of water as they make different products. After they finish using it, factories should treat the water they have dirtied before letting it out.

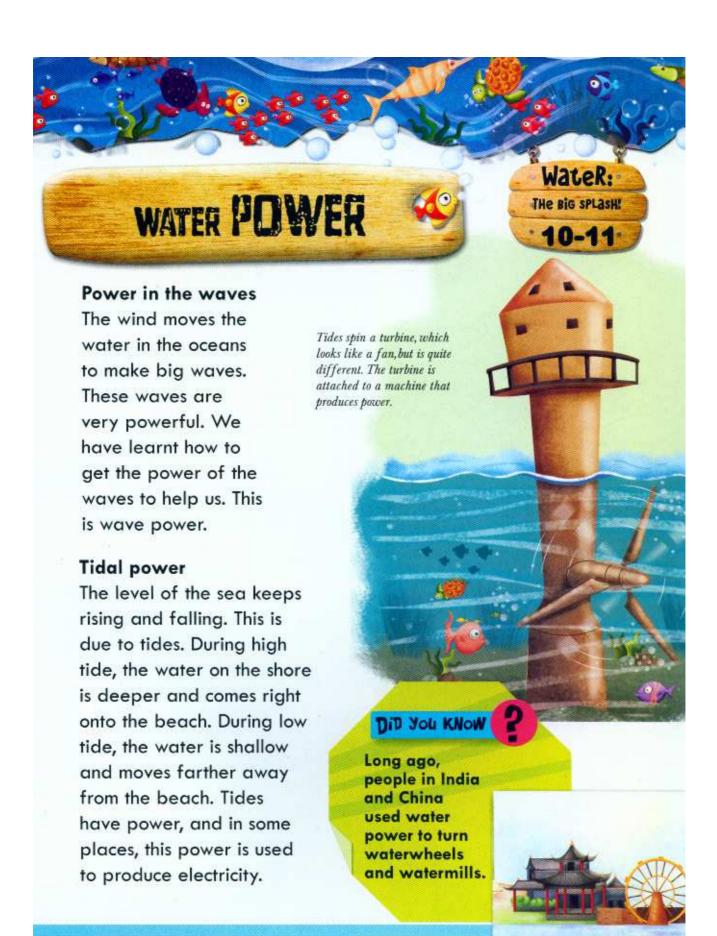


much more

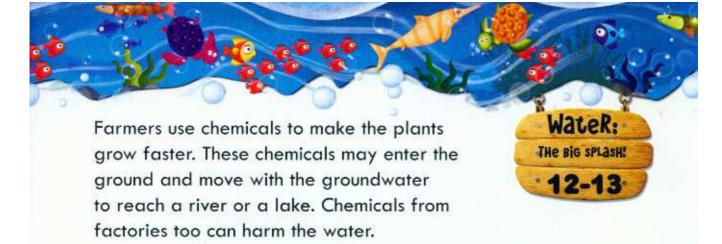
water.







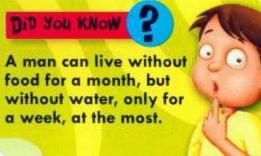






Why should we keep the water clean?

Of all the water on the earth 97 per cent is in the salty oceans. That means only 3 per cent is fresh water! Let's put it in a simpler way: out of every hundred jugs of water, we can use only three jugs. Now, if these three jugs of water get dirty we have a big problem, don't we? So we need to do our bit to keep water clean.





he rainwater.

The filtered water is stored in a tank for

WHAT IS WATER CONSERVATION?

Water:
The Big splash!

A good idea!

Keep an empty drum outside to collect rainwater. You can give this water to your plants. This is what is called rainwater harvesting. It simply means collecting rainwater and keeping it for later use. Rainwater harvesting is a very good idea, but if you plan to collect rainwater in a drum, you need to be careful. You must not let the water stagnate too long. That allows mosquitoes to breed, and they can cause diseases like malaria or dengue. Now that wouldn't be nice, would it!

Planting trees in barren areas is another great idea to help in water conservation. Plants cover the soil and don't let it dry up. Then the soil will hold water inside for other plants to grow.



Planting trees is a great way of saving water as well as soil!

DID YOU KNOW

Rainwater harvesting was used by the ancient people in India? They built tanks to collect rainwater. They also collected water that fell on the roof.



Water conservation is one thing that children can do a lot about. The best place to begin is at home.

 Check that there are no leaking pipes or tanks. If you find one, ask an elder to repair it.

Bathroom:

Turn off the tap while brushing your teeth or soaping your hands.

 Flush the toilet only when necessary. Don't use it like a dustbin.

> Don't play in the shower. Five minutes should be enough.

Kitchen:

 Do not throw the water after you wash vegetables, rice or pulses.
 Collect it and use it to water plants.

Outside:

 The porch or balcony doesn't need to be washed with water every day.
 Sweep it clean instead.

Water the plants at the ground/soil
level

 Water the plants early in the mornings or in the evenings. That way, the water doesn't escape as evaporation.

• Use a bucket of water to wash the car; do not a the hose pipe. It saves a lot of water.

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GREEN BOOK

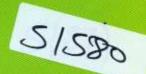
Big Splasifi

Did you know that water goes round and round in an endless cycle—from oceans and rivers to the air and back again? And that water has a whole lot of power that can help us do work?

Discover many other interesting facts about water and the ways that you can help save it!

Other books in this series:

Sun: The Great Ball of Fire! Wind: The Air in a Hurry! Soil: The Precious Earth! Space: The Great Beyond! Earth: The Blue Marve!!







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